

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2004/011019

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C263/20 C07C265/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 936 214 A (SHOWA DENKO KK) 18 August 1999 (1999-08-18) cited in the application abstract page 3, line 26 - line 55 examples 1-3 -----	1,2,8-11
X	DATABASE WPI Section Ch, Week 199809 Derwent Publications Ltd., London, GB; Class A41, AN 1998-095671 XP002308557 & JP 09 323968 A (SHOWA DENKO KK) 16 December 1997 (1997-12-16) cited in the application abstract ----- -/--	1,2,8-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*G\* document member of the same patent family

Date of the actual completion of the International search

2 December 2004

Date of mailing of the International search report

13/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Molina de Alba, J

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2004/011019

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DATABASE WPI Section Ch, Week 199315 Derwent Publications Ltd., London, GB; Class A41, AN 1993-121339 XP002308558 & JP 05 058982 A (SHOWA DENKO KK) 9 March 1993 (1993-03-09) abstract -----	1-11
A	DATABASE WPI Section Ch, Week 198912 Derwent Publications Ltd., London, GB; Class A41, AN 1989-090838 XP002308559 & JP 01 042463 A (SHOWA RHODIA KAGAKU) 14 February 1989 (1989-02-14) abstract -----	1-11
A	DE 32 25 247 A (DOW CHEMICAL CO) 12 January 1984 (1984-01-12) abstract -----	1-11

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/JP2004/011019

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0936214	A	18-08-1999	JP 11228523 A CA 2261324 A1 EP 0936214 A2 US 6245935 B1	24-08-1999 06-08-1999 18-08-1999 12-06-2001
JP 9323968	A	16-12-1997	NONE	
JP 5058982	A	09-03-1993	JP 3091979 B2	25-09-2000
JP 1042463	A	14-02-1989	JP 2066215 C JP 7103085 B	24-06-1996 08-11-1995
DE 3225247	A	12-01-1984	DE 3225247 A1	12-01-1984